

IN THE CLAIMS:

Please amend Claims 1, 5, 12, 16, 23, and 27 as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

Claim 1 (currently amended): An information processing apparatus that comprises:

area size determining means for determining a size of a document output area when document data is outputted to an output apparatus based on layout information;

information memory means for storing a plurality of size information having a relation between a size of a document output area and a size of each of plural kinds of objects included in the document data, wherein the plural kinds of objects include characters and objects other than characters;

object size determining means for determining a size of each of the plural kinds of objects based on the size determined by said area size determining means and the size information stored in said information memory means;

size changing means for changing the size of each of the plural kinds of objects based on each size determined by said object size determining means, respectively; and

control means for outputting each of the plural kinds of objects whose size has been changed by said size changing means to the output apparatus.

Claims 2 and 3 (canceled)

Claim 4 (previously presented): The information processing apparatus according to claim 1, wherein the size information of each of the plural kinds of objects comprises function information, which is different for each of the plural kinds of objects.

Claim 5 (currently amended): An information processing apparatus that comprises:

C, layout information memory means for storing layout information when document data is outputted to an output apparatus;

display control means for displaying two or more kinds of objects included in the document data on a display screen, wherein the two or more kinds of objects include characters and objects other than characters; and

associating means for associating each displayed object with size information having a relation between a size of a document output area and a size of a displayed object when the document data is outputted to the output apparatus based on the layout information.

Claims 6 and 7 (canceled)

Claim 8 (previously presented): The information processing apparatus according to claim 5, wherein the size information associated with each of the two or more kinds

of objects is function information, which is different for each of the two or more kinds of objects.

Claim 9 (previously presented): The information processing apparatus according to claim 8, further comprising graph display means for displaying function information as a graph on the display screen, wherein said associating means associates the function information represented by the graph displayed by said graph display means with an object corresponding to the function information.

Claim 10 (original): The information processing apparatus according to claim 9, further comprising correcting means for correcting the displayed graph.

C, Claim 11 (previously presented): The information processing apparatus according to claim 5, further comprising output means for outputting the two or more kinds of objects included in the document data based on the size information associated with each of the two or more kinds of objects.

Claim 12 (currently amended): An information processing method that comprises:

an area size determining step of determining a size of a document output area when document data is outputted to an output apparatus based on layout information;

an object size determining step of determining a size of each of plural kinds of

objects based on size information having a relation between a size of a document output area stored in information memory means and a size of each kind of object of the plural kinds of objects included in the document data, and the size determined in said area size determining step, wherein the plural kinds of objects includes characters and objects other than characters;

a size changing step of changing the size of each of the plural kinds of objects based on each size determined in said object size determining step, respectively; and

an output step of outputting each of the plural kinds of objects whose size has been changed in said size changing step to the output apparatus.

Claims 13 and 14 (canceled)

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Claim 15 (previously presented): The information processing method according to claim 12, wherein the size information of each of the plural kinds of objects comprises function information, which is different for each of the plural kinds of objects.

Claim 16 (currently amended): An information processing method that comprises:

a memory step of storing layout information in layout memory means, when document data is outputted to an output apparatus;

a display step of displaying two or more kinds of objects included in the document data on a display screen, wherein the two or more kinds of objects include characters

and objects other than characters; and

an associating step of associating each displayed object with size information having a relation between a size of a document output area and a size of a displayed object when the document data is outputted to the output apparatus based on the layout information.

Claims 17 and 18 (canceled)

Claim 19 (previously presented): The information processing method according to claim 16, wherein the size information associated with each of the two or more kinds of objects is function information, which is different for each of the two or more kinds of objects.

Claim 20 (previously presented): The information processing method according to claim 19, further comprising a display step of displaying the function information as a graph on the display screen, wherein said associating step includes associating the function information represented by the graph displayed in said display step with an object corresponding to the function information.

Claim 21 (previously presented): The information processing method according to claim 20, further comprising a correcting step of correcting the displayed graph.

Claim 22 (previously presented): The information processing method according to claim 16, further comprising an output step of outputting the two or more kinds of objects included in the document data to the output apparatus based on the size information associated with each of the two or more kinds of objects.

Claim 23 (currently amended): A memory medium storing a computer-readable program for implementing an information processing method, wherein the method comprises:

an area size determining step of determining a size of a document output area when document data is outputted to an output apparatus based on layout information;

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an object size determining step of determining a size of each of plural kinds of objects based on size information having a relation between a size of a document output area stored in information memory means and a size of each kind of object of the plural kinds of objects included in the document data, and the size determined in said area size determining step, wherein the plural kinds of objects include characters and objects other than characters;

a size changing step of changing the size of each of the plural kinds of objects based on the size determined in said object size determining step, respectively; and

an output step of outputting each of the plural kinds of objects whose size has been changed in said size changing step to the output apparatus.

Claims 24 and 25 (canceled)

Claim 26 (previously presented): The memory medium according to claim 23, wherein the size information of each of the plural kinds of objects comprises function information, which is different for each of the plural kinds of objects.

Claim 27 (currently amended): A memory medium storing a computer-readable program for implementing an information processing method, wherein the method comprises:

a memory step of storing layout information in layout memory means, when document data is outputted to an output apparatus;

a display step of displaying two or more kinds of objects included in the document data on a display screen, wherein the two or more kinds of objects include characters and objects other than characters; and

C, an associating step of associating each displayed object with size information indicating a relation between a size of a document output area and a size of a displayed object when the document data is outputted to the output apparatus based on the layout information.

Claims 28 and 29 (canceled)

Claim 30 (previously presented): The memory medium according to claim 27, wherein the size information associated with each of the two or more kinds of objects is function information, which is different for each of the two or more kinds of objects.

Claim 31 (previously presented): The memory medium according to claim 30, wherein the method further comprises a display step of displaying the function information as a graph on the display screen, wherein said associating step includes associating the function information represented by the graph displayed in said display step with an object corresponding to the function information.

Claim 32 (previously presented): The memory medium according to claim 31, further comprising a correcting step of correcting the displayed graph.

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Claim 33 (previously presented): The memory medium according to claim 27, wherein the method further comprises an output step of outputting the two or more kinds of objects included in the document data to the output apparatus based on the size information associated with each of the two or more kinds of objects.
